

# TANITA

Monitoring Your Health

## BF-664 Body Fat Monitor / Scale



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BF6647801(1)

### GB Instruction Manual

Read this Instruction Manual carefully and keep it for future reference.

### D Bedienungsanleitung

Lesen Sie sich diese Bedienungsanleitung bitte sorgfältig durch und bewahren Sie sie zum späteren Nachschlagen auf.

### F Mode d'emploi

A lire attentivement et à garder en cas de besoin.

### NL Gebruiksaanwijzing

Deze handleiding aandachtig lezen en voor naslagdoeleinden bewaren.

### I Manuale di Istruzioni

Leggere attentamente questo manuale di istruzioni e conservarlo per consultazioni future.

### E Manual de instrucciones

Lea detenidamente este manual de instrucciones y guárdelo para futura referencia.

### P Manual de instruções

Leia cuidadosamente este manual e guarde-o para futura referência.

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**INTRODUCTION**

Thank you for selecting a Tanita Body Fat Monitor/Scale. This model uses the BIA (Bioelectrical Impedance Analysis) technique, a state-of-the-art technology for body fat assessment.

**Note:** Read this Instruction Manual carefully and keep it handy for future reference.

**▲ Safety Precautions**

- **Persons with implanted electronic medical equipment, such as a pacemaker, should not use the Body Fat Monitor feature on this Tanita Body Fat Monitor/Scale. This Body Fat Monitor/Scale passes a low-level electrical signal through the body, which may interfere with the operation of a pacemaker.**
- The Tanita Body Fat Monitor/Scales are intended for home use only. This unit is not intended for professional use in hospitals or other medical facilities; it is not equipped with the quality standards required for heavy usage experienced under professional conditions.
- Do not use this unit on slippery surfaces such as wet floors.

**Important Notes for Users**

This Body fat monitor is intended for adults and children (ages 7-17) with inactive to moderately active lifestyles and adults with athletic body types.

**Tanita defines “athlete” as a person involved in intense physical activity of approximately 10 hours per week and who has a resting heart rate of approximately 60 beats per minute or less. Tanita’s athlete definition includes “lifetime of fitness” individuals who have been fit for years but currently exercise less than 10 hours per week.**

**The body fat monitor function is not intended for pregnant women, professional athletes or bodybuilders.**

Recorded data may be lost if the unit is used incorrectly or is exposed to electrical power surges. Tanita takes no responsibility for any kind of loss caused by the loss of recorded data.

Tanita takes no responsibility for any kind of damage or loss caused by these units, or any kind of claim made by a third person.

**Note:** Body fat percentage estimates will vary with the amount of water in the body, and can be affected by dehydration or over-hydration due to such factors as alcohol consumption, menstruation, illness, intense exercise, etc.

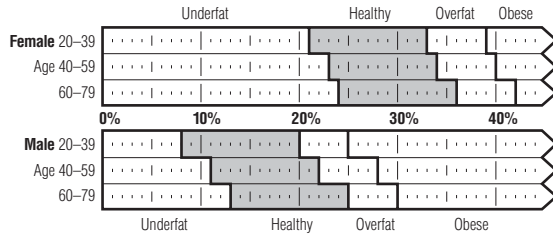
# PRINCIPLES OF ESTIMATING BODY FAT PERCENTAGE

Tanita Body Fat Monitor/Scales allow you to determine your body fat percentage at home as easily as you measure your weight.

## What is Body Fat Percentage?

Body fat percentage is the percentage of fat in your body. Too much body fat has been linked to conditions such as high blood pressure, heart disease, diabetes, cancer, and other disabling conditions.

Body Fat Ranges for Standard Adults <sup>1,2</sup>



<sup>1</sup> Based on NIH/WHO BMI Guidelines.

<sup>2</sup> As reported by Gallagher, et al, at NY Obesity Research Center.

To determine the percentage of body fat that is appropriate for your body, consult your physician.



Tanita's patented "foot-pad" design sends a safe, low-level electrical signal through the body to determine its composition.

## The BIA Method

Tanita Body Fat Monitor/Scales use the BIA (Bioelectrical Impedance Analysis) technique. In this method, a safe, low-level electrical signal is passed through the body. It is difficult for the signal to flow through fat in the human body, but easy to flow through moisture in the muscle and other body tissues. The difficulty with which a signal flows through a substance is called impedance. So the more resistance, or impedance, the signal encounters, the higher the body fat reading.

## Body Fat Percentage Fluctuations in a Day

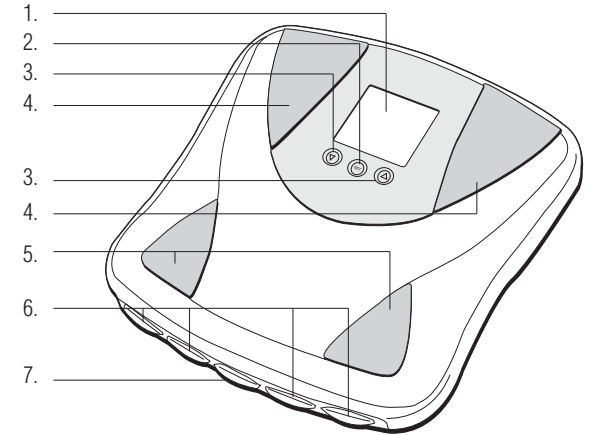
Hydration levels in the body may affect body fat readings. Readings are usually highest in the early waking hours, since the body tends to be dehydrated after a long night's sleep. For the most accurate reading, a person should take a body fat percentage reading at a consistent time of day under consistent conditions.

Besides this basic cycle of fluctuations in the daily body fat readings, variations may be caused by hydration changes in the body due to eating, drinking, menstruation, illness, exercising, and bathing. Daily body fat readings are unique to each person, and depend upon one's lifestyle, job and activities.

# FEATURES AND FUNCTIONS

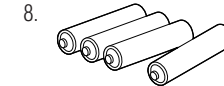
## Measuring Platform

1. Display Screen
2. Set Button
3. Arrow (Select) Buttons
4. Ball-of-Foot Electrodes
5. Heel Electrodes
6. Personal Keys
7. Weight-Only Key



## Accessories

8. AA-Size Batteries (4)



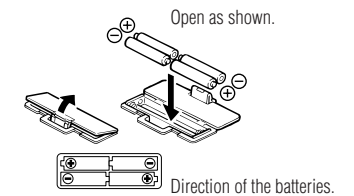
# PREPARATIONS BEFORE USE

## Inserting the Batteries

Open the battery cover on the back of the measuring platform. Insert the supplied AA-batteries as indicated.

**Note:** Be sure that the polarity of the batteries is set properly. If the batteries are incorrectly positioned the fluid may leak and damage floors. If you do not intend to use this unit for a long period of time, it is advisable to remove the batteries before storage.

Please note that since the batteries were inserted at the factory, their energy levels may have decreased.



## Positioning the Monitor

Place the measuring platform on a hard, flat surface where there is minimal vibration to ensure safe and accurate measurement.

**Note:** To avoid possible injury, do not step on the edge of the platform.



## Handling Tips

This monitor is a precision instrument utilizing state-of-the-art technology. To keep the unit in the best condition, follow these instructions carefully:

- Do not attempt to disassemble the measuring platform.
- Store the unit horizontally, and place it so that the buttons will not be pressed accidentally.
- Avoid excessive impact or vibration to the unit.
- Place the unit in an area free from direct sunlight, heating equipment, high humidity, or extreme temperature change.
- Never submerge in water. Use alcohol to clean the electrodes and glass cleaner (applied to a cloth first) to keep them shiny; avoid soaps.
- Do not step on the platform when wet.
- Do not drop any objects onto the platform.

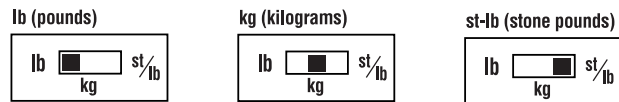
## USEFUL FEATURES

- Tanita Body Fat Monitor/Scales allow you to measure both weight and body fat percentage simultaneously and easily, simply by stepping on a scale.
- Your Body Fat Monitor/Scale can be set for Male or Female, Standard or Athlete Adult, or Children (ages 7-17).
- Personal data (Female/Male, Age, Height, etc.) can be pre-set and stored in memory for up to 4 people.
- Unique Healthy Range Indicator automatically displays where your body fat percentage falls within the Body Fat Ranges chart (p.2).
- Daily Calorie Intake (DCI) is an estimate of how many calories you can consume within the next 24 hours to manage your current weight.
- Guest feature allows you to take readings without reprogramming one of the Personal keys.
- Weight-only Key provides quick weight readings.
- The unit emits a helpful “beep” when activated, and also at various stages in the programming and measuring process. Listen for these sounds which will prompt you to step on the unit, look at your readings, or confirm a setting.

## SWITCHING THE WEIGHT MODE

You can switch the unit indication by using the switch on the back of the scale as shown in the figure.

**Note:** If weight mode is set to pounds or stone-pounds, the height programming mode will be automatically set to feet and inches. Similarly, if kilograms is selected, height will be automatically set to centimetres.



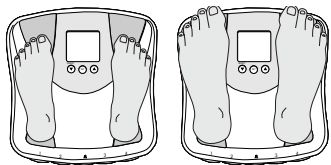
## AUTOMATIC SHUT-DOWN FUNCTION

The automatic shut-down function shuts off the power automatically in the following cases:

- If you interrupt the measurement process. The power will shut down automatically within 10 to 20 seconds, depending upon the type of operation.
- If an extraordinary weight is applied to the platform.
- During programming, if you do not touch any of the keys or buttons within 60 seconds.\*
- After you have completed the measuring process.

\***Note:** If the power shuts off automatically, repeat the steps from “Setting and Storing Data in Memory” (p.5).

## GETTING ACCURATE READINGS



Heels centered on electrodes

Toes may overhang measuring platform

To ensure accuracy, readings should be taken without clothing and under consistent conditions of hydration. If you do not undress, always remove your socks or stockings, and be sure the soles of your feet are clean before stepping on the measuring platform. Be sure that your heels are correctly aligned with the electrodes on the measuring platform. Don't worry if your feet appear too large for the unit - accurate readings can still be obtained if your toes overhang the platform. It is best to take readings at the same time of day. Try to wait about three hours after rising, eating, or hard exercise before taking measurements. While readings taken under other conditions may not have the same absolute values, they are accurate for determining the percentage of change as long as the readings are taken in a consistent manner. To monitor progress, compare weight and body fat percentage taken under the same conditions over a period of time.

**Note:** An accurate reading will not be possible if the soles of your feet are not clean, or if your knees are bent or you are in a sitting position.

## HOW TO DETERMINE BODY FAT PERCENTAGE

### Setting and Storing Data in Memory

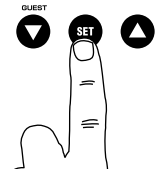
The unit can be operated only if data has been programmed into one of the personal data memories or the Guest mode.

#### 1. Turn on the Power

Press the Set button to turn on the unit (once programmed, tapping a Personal Key turns on the unit.) The unit will beep to confirm activation, the Personal Key numbers (1,2,3,4) will be displayed, and the display will flash.

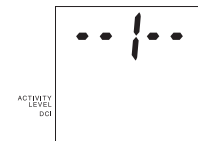
**Note:** If you don't operate the unit for sixty seconds after the unit has been turned on, the unit will turn off automatically.

**Note:** If you make a mistake or want to turn the unit off before you have finished programming it, press the Weight-Only Key (▲) to force quit.



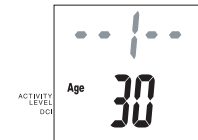
#### 2. Select a Personal Key Number

Press the Up/Down buttons to select a Personal Key. Once you reach the Personal Key number you wish to use, press the Set button. The unit will beep once to confirm.



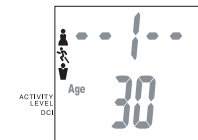
#### 3. Set Age

The display defaults to Age 30 (range of user age is between 7-99). An arrow icon appears on the lower left side to indicate Age setting. Use the Up/Down buttons to scroll through numbers. When you reach your age, press the Set button. The unit will beep once to confirm.



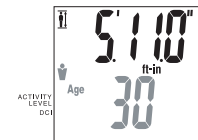
#### 4. Select Female or Male

Use the Up/Down buttons to scroll through Female (♀) or Male (♂), Female/Athlete and Male/Athlete settings, then press the Set button. The unit will beep once to confirm.



#### 5. Specify the Height

The display defaults to 5' 7.0" (170cm) (range of user is from 3' 4.0" – 7' 3.0" or 100cm – 220cm). Use the Up/Down buttons to specify Height and then press the Set button. The unit will beep once to confirm.



#### 6. Select Activity Level

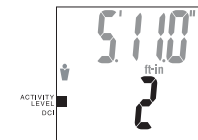
To use the DCI (Daily Calorie Intake) feature properly, you need to set the Activity Level. Use the Up button to specify Activity Level. Press the Set button to confirm.

Level 1 = Inactive lifestyles (little or no exercise)

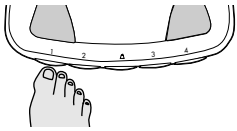
Level 2 = Moderately active lifestyles (occasional, low intensity exercise)

Level 3 = Adult involved in intense physical activity (see p.1. for Tanita's definition of Athlete)

The unit will beep twice and the display will flash all data (Male/Female, Age, Height, Activity Level, etc.) three times to confirm the programming. The power will then shut down automatically.



## TAKING WEIGHT AND BODY FAT READINGS



### 1. Select Personal Key and Step On

Using your toe, tap your pre-programmed Personal Key.  
(Release the key within 3 seconds or the display will show "Err".)  
The unit will beep and the display will show the programmed date.

**The unit will beep again and the display will show "0.0".  
Now step onto the platform.**

**Note:** If you step onto the platform before "0.0" appears the display will show "Err" and you will not obtain a reading. Furthermore, if you do not step onto the measuring platform within about 60 seconds after "0.0" appears, the power is shut-off automatically.



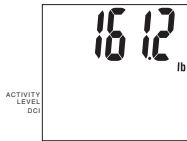
### 2. Get Your Readings

Your weight will be shown first.  
Continue to stand on the platform.

"54321" will appear on the display and disappear one by one from right to left.  
Your body fat percentage(%FAT) and Body Fat Range will appear on the display screen.

The display will then flash your weight %FAT and DCI alternately 3 times.

**Note: Do not step off until Body Fat % is shown.**



## UNDERSTANDING YOUR READING

### Healthy Range Indicator (Standard Adults only\*)

Your body fat monitor/scale automatically compares your body fat reading to the Healthy Body Fat Range chart.

Following your body fat percentage reading, a black bar will flash along the bottom of the display, identifying where you fall within the Body Fat Ranges for your age and gender. For example, if the squares appear above **(0)** area your range is within the Healthy Range – if they appear over **(-)** area, your reading is below the Healthy Range. For more about the Healthy Range, see page 2.



- (-)** : Underfat; below the healthy body fat range. Increased risk for health problems.
- (0)** : Healthy; within the healthy body fat percentage range for your age/gender.
- (+)** : Overfat; above the healthy range. Increased risk for health problems.
- (++)** : Obese; high above the healthy body fat range. Greatly increased risk of obesity-related health problems.

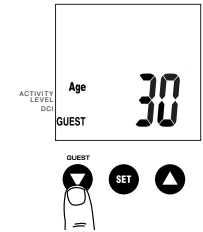
**\*Note:** If you select Athlete mode, the unit will not display the Healthy Range Indicator. Athletes may have a lower body fat range based on their particular sport or activity.  
(Range of user age is between 20-79)

## PROGRAMMING THE GUEST MODE

The Guest mode allows you to use the monitor without losing the information already assigned to a Personal Key.

To programme the Guest mode, use the Down button marked to turn on the power. Then follow steps 3 through 5 in "Setting and Storing Data" (p.5). The unit will beep twice and the display will show "0.0". Step onto the platform. Next follow the directions for "Get Your Reading" (p.6).

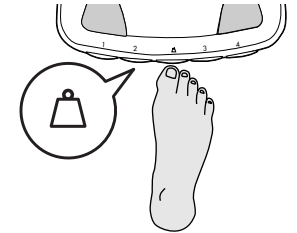
**Note :** If you step onto the platform before "0.0" appears the display will show "Err" and you will not obtain a reading.



## TAKING WEIGHT MEASUREMENT ONLY

### Select Weight-Only Key

Using your toe, tap the Weight-only key. After 2 or 3 seconds, "0.0" will appear in the display and the unit will beep. When "0.0" appears in the display, step onto the platform. The body weight value will appear. If you remain on the platform, the display will flash for about 30 seconds, and then the power will automatically turn off. If you step off the platform, the weight will continue to show for about 5 seconds, then "0.0" will appear and the unit will shut off automatically.



## TROUBLESHOOTING

### If the following problems occur ...then...

- **A wrong weight format appears followed by kg, lb, or st-lb**  
Refer to "Switching the Weight Mode" on p.4.
- **"Lo" appears on the display, or all the data appears and immediately disappears.**  
Batteries are low. When this message appears, be sure to replace the batteries immediately, since weak batteries will affect the accuracy of your measurements. Change all the batteries at the same time with new AA-size batteries.  
**Note:** Your settings will not be erased from the memory when you remove the batteries.
- **"Err" appears while measuring.**  
Please stand on the platform keeping movement to a minimum.  
The unit cannot accurately measure your weight if it detects movement.
- **The Body Fat Percentage measurement does not appear or "-----" appears after the weight is measured.**  
Your personal data has not been programmed. Follow the steps on p.5.  
Make sure socks or stockings are removed, and the soles of your feet are clean and properly aligned with the guides on the measuring platform.
- **"OL" appears while measuring.**  
Reading cannot be obtained if the weight capacity is exceeded.
- **"Err FAT%" appears while measuring.**  
The Body Fat Percentage is more than 75%, readings cannot be obtained from the unit.
- **"Err kcal(cal)" appears.**  
The DCI (Daily Calorie Intake) is more than 9999kcal (for USA 9999cal).